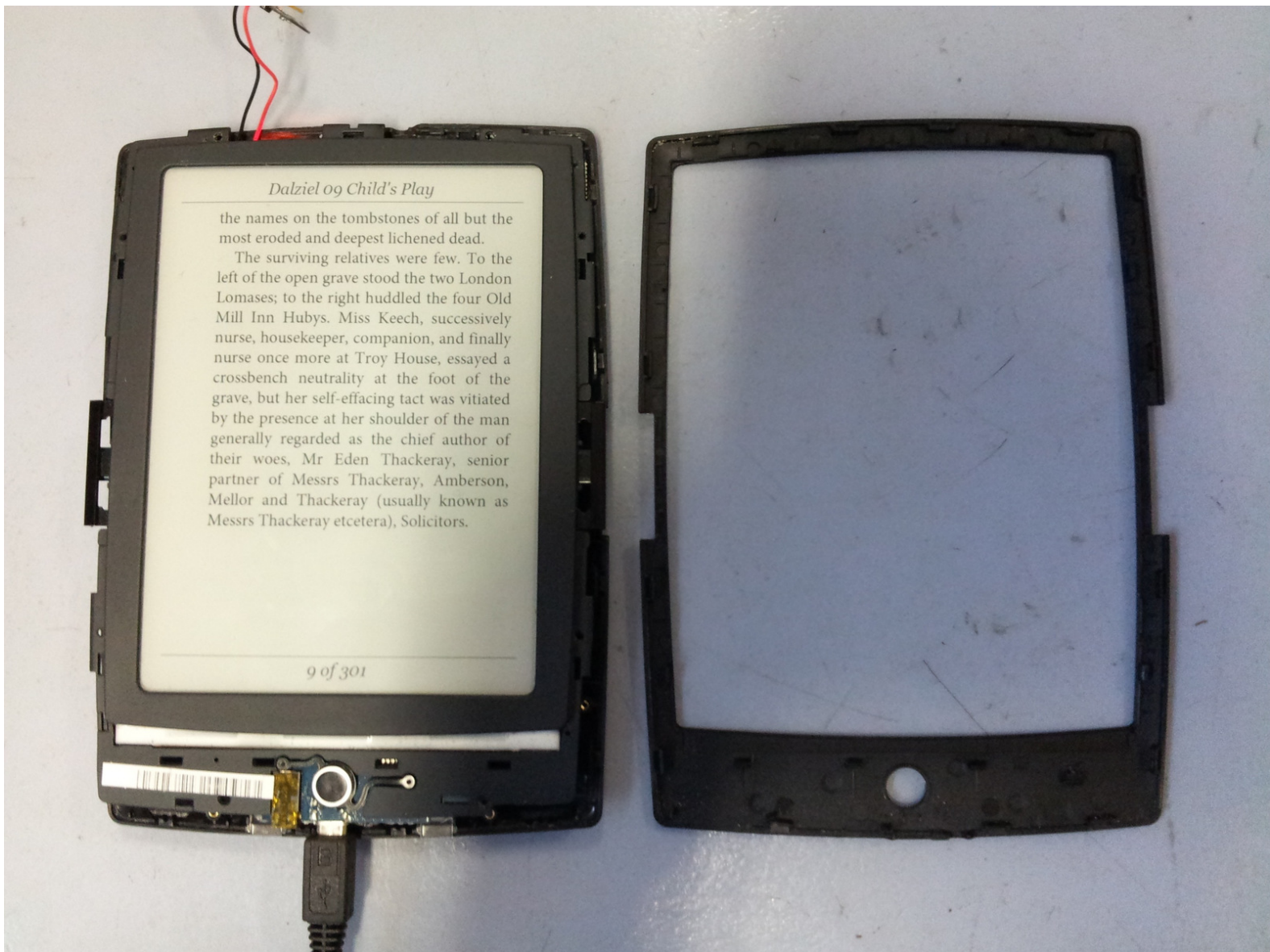




Cybook Odyssey Battery Replacement

Use this guide to breath life into your Cybook Odyssey by changing the battery.

Written By: jompo



INTRODUCTION

This guide instructs you how to open a Cybook Odyssey, unsolder the battery, and solder in a new battery.

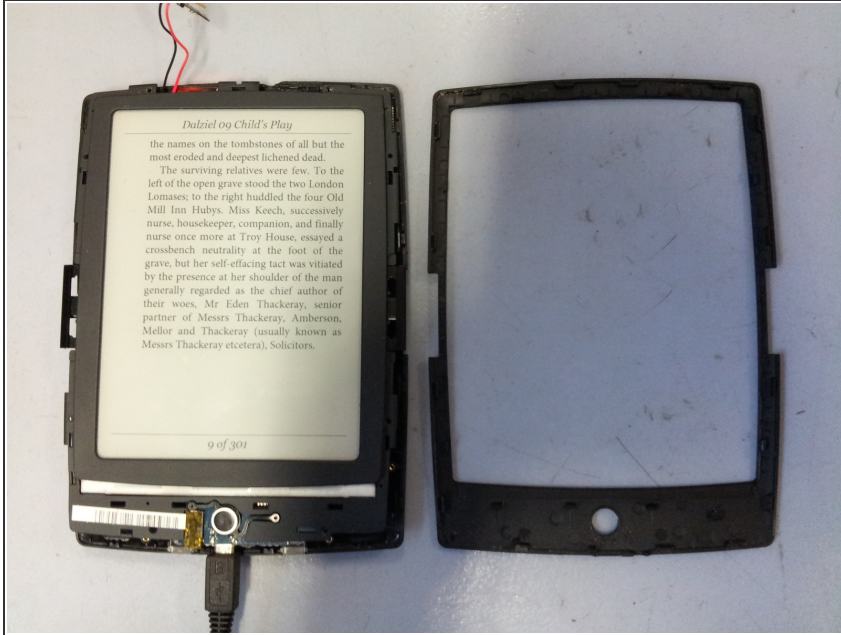
The required tools are a soldering iron, solder, and a new battery.



TOOLS:

- [Solder](#) (1)
 - [Soldering Station](#) (1)
 - [Phillips #1 Screwdriver](#) (1)
 - [thin knife](#) (1)
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Step 1 — Opening the cybook



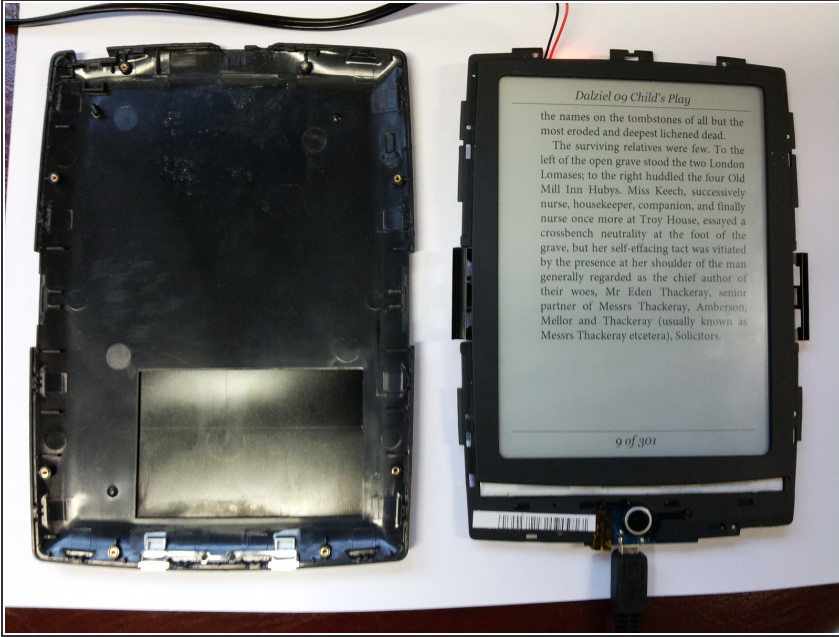
- Switch off your device before beginning to disassembly.
- To open the Cybook, unclip the cover around the screen with a thin knife.

Step 2 — Extracting the motherboard



- When the cover (first image) is open, extract the motherboard (middle one in the third image) from the back shell (left one in the third image). The back shell is upside down.
- To extract the motherboard, remove the seven Phillips Head screws fastening the motherboard to the back shell (screws are circled in red).
- The battery lies on the board. Two wires (red and black) extends from a little PCB soldered on the battery onto the motherboard. (Refer the next image to view the battery.)
- Important: Be careful not to miss the power button which is located on the lower right corner between the back shell and the motherboard.

Step 3 — Inside the cybook



- In this picture, you can see the peripheral slots on the back shell where the spurs of the cover (previous images) are clipped.

Step 4 — Replacement/soldering of the battery



- Here is the placement of the original Lipo 3.7V 1650mAh battery (dimensions about 5 x 46 x 60mm). You can see a similar battery with the same mAh and voltage at: http://www.cpkb.org/wiki/Samsung_EB-F1A2... (dimensions about 5.1 mm x 46.1 mm x 59.1 mm), which should fit in the Cybook.

- Other batteries that could fit are the HTC 3.7v 1650mAh Li-POL replacement Battery (dim. 5x50x60) at: <http://www.amazon.com/35H00185-01M-1650m...>, and this battery: <http://www.alibaba.com/product-detail/ul...> (dim. 5x50x60mm).
 - In fact, I have installed a Samsung Galaxy S4 battery on my Cybook Odyssey. It has almost the same dimensions and capacity. (But it may not fit all the models, as observed by a viewer of this guide. Nevertheless, it has worked in my Cybook Odyssey for two years.)
 - The original battery is soldered on a protection circuit on a small external PCB from which two wires (red and black) go to the motherboard.
 - On this PCB, the red wire (+) is soldered near the (+) of the battery and the black wire (-) near the (-) of the battery.
 - You must then determine the (+) and the (-) of the new battery to correctly wire it to the PCB. You may need additional wires to solder the (+) and (-) of the new battery to the PCB (as the old battery was). The second picture shows the new battery, soldered with the small PCB, whose output is plugged (white plug).
 - Once the battery is soldered, before remounting, charge the battery with the USB receiver on the Cybook Odyssey. Verify that the Cybook Odyssey functions properly when the battery is charged and the USB cord is unplugged.
 - Proceed in the reverse order to remount the Cybook Odyssey.
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To reassemble your device, follow these instructions in reverse order.

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